IN THE CLAIMS:

Claims 27, 61B and 64A were previously cancelled without prejudice. Please now cancel claims 32-81 without prejudice and amend the claims as follows:

 (Previously Presented) A seismic survey system for use in water, comprising: a source array;

an independently steerable deflector device coupled to the source array, wherein the deflector device controls a position of the source array by changing an angle of attack of the deflector device with respect to a direction of a tow while maintaining the source array in a substantially inline direction, and wherein the deflector device is submerged underwater:

a positioning system to determine a location of the source array;

an acoustical transducer and receiver coupled to the source array; and

a controller for adjusting the deflector device to steer clear of an obstruction located by the acoustical transducer and receiver.

- (Previously Presented) The seismic survey system of claim 1, wherein the source array trails directly behind the independently steerable deflector device in the inline direction.
- 3. (Previously Presented) The seismic survey system of claim 1, wherein the deflector device trails the source array in the inline direction.
- (Previously Presented) The seismic survey system of claim 1, wherein the deflector device is disposed within the source array.
- (Previously Presented) The seismic survey system of claim 1, wherein the
 positioning system comprises a positioning unit mounted on the source array, and
 wherein the positioning unit provides the controller with the location of the source array.

- (Original) The seismic survey system of claim 5, wherein the positioning system is selected from a global positioning system, an acoustic network, and a laser system.
- (Original) The seismic survey system of claim 5, wherein the positioning system is a satellite positioning system.
- 8. (Previously Presented) The seismic survey system of claim 1, wherein the controller controls the position of the deflector device.
- (Previously Presented) The seismic survey system of claim 13, wherein the desired position is the same position as in a previous seismic survey.
- 10. (Previously Presented) The seismic survey system of claim 13, wherein the desired position is a set distance from an edge of a previous seismic survey.
- 11. (Original) The seismic survey system of claim 10, wherein the desired position avoids gaps in coverage.
- 12. (Original) The seismic survey system of claim 8, further comprising: a positioning unit attached to the source array, wherein the positioning unit provides a signal to inform the controller of a current position of the source array.
- 13. (Original) The seismic survey system of claim 12, wherein a seismic source on the source array is triggered when the source array is at a desired position.
- 14. (Original) The seismic survey system of claim 8, wherein the controller is positioned at a location selected from a towing vessel, the deflector device, and combinations thereof.

15. (Original) The seismic survey system of claim 1, wherein the deflector device comprises:

one or more wings; and

a central body, wherein the one or more wings are disposed adjacent to the central body.

- 16. (Original) The seismic survey system of claim 15, wherein the one or more wings are in a generally vertical arrangement.
- 17. (Original) The seismic survey system of claim 15, wherein the one or more wings are in a generally horizontal arrangement.
- 18. (Previously Presented) The seismic survey system of claim 15, further comprising:

an actuator disposed adjacent the central body, wherein the controller sends a signal to the actuator, and wherein the actuator moves the one or more wings.

- (Original) The seismic survey system of claim 18, wherein the actuator uses a
 motive force selected from electrical and hydraulic.
- 20. (Original) The seismic survey system of claim 18, wherein the central body and the actuator are made of a material selected from metal, composite and combinations thereof.
- 21. (Original) The seismic survey system of claim 15, wherein the total area of the one or more wings is between about 1 and about 7 square meters.
- 22. (Previously Presented) The seismic survey system of claim 15, wherein the one or more wings are constructed of a material selected from metal, composite or combinations thereof.

- 23. (Original) The seismic survey system of claim 15, wherein the one or more winos are constructed of a metal skin covering a foam core.
- 24. (Original) The seismic survey system of claim 23, wherein the metal skin is selected from titanium and stainless steel.
- 25. (Original) The seismic survey system of claim 1, wherein the source array comprises one or more sub-arrays and wherein the sub-arrays are coupled to adjacent sub-arrays within the source array by a distance rope.
- 26. (Original) The seismic survey system of claim 1, further comprising: a second independently steerable deflector device coupled to a second source array for controlling a second position of the second source array.
- (Canceled)
- 28. (Previously Presented) The seismic survey system of claim 1, wherein the acoustical transducer and receiver are sonar devices.
- 29. (Previously Presented) The seismic survey system of claim 1, wherein the obstruction is selected from the group consisting of installed constructions, moored devices, floating devices, lead-in cables, umbilicals, towed equipment and combinations thereof.
- 30. (Previously Presented) The seismic survey system of claim 1, wherein the acoustic transducer and receiver are pointed in a given direction.
- 31. (Currently Amended) The seismic survey system of claim [[27]] 1, wherein the acoustic transducer and receiver sweeps in many directions.
- 32-81. (Cancelled)

- 82. (Previously Presented) A seismic survey system for use in water, comprising:
 - a source array having a first sub-array and a second sub-array;
 - a positioning system to determine a location of the source array;
 - a first deflector device coupled to the first sub-array;
- a second deflector device coupled to the second sub-array, wherein the first and second deflector devices are:
 - configured to control a position of the source array by changing an angle of attack of the first and second deflector devices with respect to a direction of a tow while maintaining the source array in a substantially inline direction;
 - configured to position the source array on both sides of a center line of a towing vessel during a seismic survey; and
 - submerged underwater:
 - an acoustical transducer and receiver coupled to the source array; and
- a controller, wherein the controller adjusts the first deflector device and the second deflector device to steer clear of an obstruction located by the acoustical transducer and receiver.
- 83. (Previously Presented) The seismic survey system of claim 1, wherein the source array comprises:
 - a float disposed on the surface of the water;
- one or more sources coupled to the float such that the sources are suspended below the float; and
 - wherein the deflector device is also suspended below the float.